

At page 153, Table 7, at the end of line starting with "Gα16", please insert --
(SEQ ID NO:117)--.

In the claims:

Please add news claims 52-58 as follows:

--52. (New) The yeast cell of claim 50 further comprising a gene mutation causing increased sensitivity to receptor activation selected from the group consisting of sst2, svg1, ste2, and ste3.

CV 53. (New) The yeast cell of claim 52 further comprising a mutation at a gene that permits transcriptional activation of pheromone responsive genes without cell cycle arrest.

54. (New) The yeast cell of claims 43 and 50 wherein the reporter gene is selected from the group consisting of HIS3, URA3, LYS2, CAN1, and LacZ, and the pheromone responsive promoter is FUS1.

55. (New) The yeast cell of claim 54 further comprising a mutation at a FAR1 gene that permits transcriptional activation of pheromone-responsive genes without cell cycle arrest.

56. (New) The yeast cell of claim 54 further comprising a mutation at a gene that permits transcriptional activation of pheromone-responsive genes without cell cycle arrest.

57. (New) The yeast cell of claims 43, 44, 45 or 50 further comprising a heterologous Gα subunit.

58. (New) The heterologous G protein coupled receptor gene of claims 43, 44, 45 or 50 which encodes a receptor selected from the group consisting of β2 adrenergic receptor, α2-adrenergic receptor, 5HT-1A receptor, muscarinic acetylcholine receptor, growth hormone releasing factor receptor, and somatostatin receptor.--